

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 02-260663

(43)Date of publication of application : 23.10.1990

(51)Int.Cl.

H01L 31/04

(21)Application number : 01-083109

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(22)Date of filing : 31.03.1989

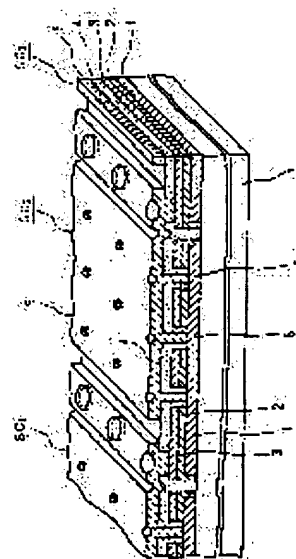
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## (54) PHOTOELECTRIC TRANSDUCER AND PHOTOVOLTAIC DEVICE

### (57)Abstract:

**PURPOSE:** To obtain an optimal output characteristics by a method wherein the thickness of a photodetective face electrode is determined taking an output power into consideration.

**CONSTITUTION:** Photodetective face electrode films 1 and back electrode films 3 of unit photoelectric transducers SC1-SC3 adjacent to each other are provided so as not to overlap each other at a space between the adjacent SCs, and a back electrode film 5 of the adjacent element SC is extended to be buried in the part of the electrode film 3 where a hole 6 is provided from an insulating film 4 at the rear side of a semiconductor film 2. By this setup, adjacent elements SCs are electrically connected with each other in series. The thickness of the electrode film 1 is determined taking an output power into consideration, where the output power connected can be obtained basing on an output current computed at the contact hole 6.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of

rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

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